

microLYSIS[®]

Go from cells to PCR in less than 15 mins!

Protocol

Resuspend cell pellet in 20 μ l microLYSIS or mix 1 μ l cells with 19 μ l* microLYSIS
Overlay with mineral oil if necessary
Place in a Thermal Cycler

Cycling profile

Step 1: 65°C for 5 mins
Step 2: 96°C for 2 mins
Step 3: 65°C for 4 mins
Step 4: 96°C for 1 mins
Step 5: 65°C for 1 mins
Step 6: 96°C for 30 secs
Step 7: 20°C hold

After cycling, all of the microLYSIS / DNA mixture can be used directly in PCR. Alternatively, the mixture can be stored at -20°C for future use. For the amplification of bacterial/plasmid DNA, 1 to 3 μ l of the microLYSIS / DNA mixture is usually sufficient

*Other ratios of microLYSIS:cells (e.g. 2:18 or 3:17) may be preferred

Note: microLYSIS is a complex solution which releases (does not purify) the DNA from the cells. Estimation of DNA yield after lysis can therefore not be done using a spectrophotometer

Related Products

MegaMixes = Clear or blue PCR mixes for instant and accurate PCRs

microCLEAN = The easy way to clean-up your PCR fragments

BetterBase = Enhance/dilution buffer for sequencing

Supplied as a clear solution in multiple of 1 ml aliquots
Store at +4°C

For Research Only